



Preliminary



iCarte™ 110 NFC / RFID Reader for iPhone

Product Data Sheet

The iCarte™ is a Near Field Communication (NFC) / Radio Frequency Identification (RFID) Reader, designed to provide NFC two-way communication, RFID read/write and contactless payment capability for the iPhone. NFC and RFID tag information can be written and read by the iCarte™ and communicated to the iPhone. The iCarte™ has an embedded smart-chip that can be configured as debit, credit, pre-paid and loyalty cards, for secure contactless transactions. iCarte™ can also read NFC Smart Posters, download or upload electronic coupons, tickets or receipts. The iCarte™ is ideal for iPhone users who want to use their iPhone for fast and secure contactless payments, transit payments, loyalty rewards, checking balances, top-up, discovering new services from smart posters or kiosks and exchanging information with other NFC phones. Business iPhone users can use the iCarte™ for commercial applications such as asset tracking, document tracking, healthcare, security and access control.



Features

Near Field Communication (NFC)

- NFCIP-1 and ISO 18092 compliant
- Supports contactless payment
- Peer to peer communication
- Data exchange speed up to 424 kbps

Radio Frequency Identification (RFID)

- ISO 14443A/B compliant
- ISO 15693 compliant
- Supports NXP MIFARE®
- Supports NXP MIFARE DESFire®
- Supports I-CODE® SLI
- Supports Texas Instrument Tag-it™ HF-I
- Read, write and search 13.56 MHz HF RFID tags

SmartCard

- Integrated SAM (Secure Access Module)
- SmartCard compliant JCOP OS
- NXP MIFARE® Classic 1K tag emulation

iPhone

- Made for iPod (MFI) accessory
- Supports iPhone 3G or iPhone 3GS
- Charge iPhone and iTunes Sync via mini-USB

Compact and Reliable Snap-On Design

- Extends iPhone length by 16.5mm (0.65")
- 62.1 x 26.5 x 12.3 mm (2.4" x 1.0" x 0.5")
- Available in black or white color

Read/Write Range

- Up to 4.0 cm (1.5") for NFC
- Up to 5.0 cm (2.0") for ISO 14443A/B
- Up to 6.0 cm (2.5") for ISO 15693
- Range depends on tag configuration, orientation and environment

Low Power Consumption

- 90 mA (typical) RFID Read/Write mode
- 5 mA (typical) Contactless Payment mode